

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

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2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 06/04/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE OA/OCHP	
3. ORDER NO. 68HERC20F0279		4. REQUISITION/REFERENCE NO. PR-OA-20-00070			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 1200 Pennsylvania Avenue NW William Jefferson Clinton West Bldg Mail Code 1107T	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 9300 LEE HIGHWAY				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 06/03/2021	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: MANTHAN SHAH Max Expire Date: 06/03/2021 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$43,680.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$43,680.00
c. CITY Durham			d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL	

22. UNITED STATES OF

AMERICA BY (Signature)

06/04/2020

ELECTRONIC SIGNATURE

23. NAME (Typed)

William M. Yates

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 06/04/2020	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC20F0279
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 06/04/2020 to 06/03/2021 Update online children's environmental health training module. Accounting Info: 20-21-B-QZ-000MH3-2505-2011Z01009-001 BFY: 20 EFY: 21 Fund: B Budget Org: QZ Program (PRC): 000MH3 Budget (BOC): 2505 DCN - Line ID: 2011Z01009-001 Funding Flag: Complete Funded: \$43,680.00				43,680.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$43,680.00

PERFORMANCE WORK STATEMENT

CONTRACT NO. 68HERC19D0003

Task Order 68HERC20F0279 Internal Tracking Number TO 0032

TITLE: Updating EPA's Children's Environmental Health Training Module

Specify Section & Paragraph SOW: Section III to end

PERIOD OF PERFORMANCE: Contract Award through 12 months (06/04/2020 – 06/03/2021)

I. INTRODUCTION

Pound for pound, children breathe more air, drink more water, and eat more food than adults, leading to increased exposures to contaminants that may be in their air, water, and food. Their behavior patterns, such as crawling and putting objects in their mouths, may also increase their exposure to toxic substances. They often have little decision-making ability or control over their environments.

In addition, their bodies are rapidly developing, making them more susceptible to environmental exposures. From conception through the teen years, children's bodies are rapidly changing, leading to critical windows during development when environmental exposures may be especially damaging to tissues, cells, and organ systems that are undergoing growth and differentiation. Their bodies' ability to absorb, distribute, metabolize, and excrete chemicals also differ from adults. Finally, many toxic chemicals have very long latency periods between time of exposure and onset of adverse health effects, such that an exposure during childhood has a greater chance of developing into a chronic disease (such as cancer, diabetes, and heart disease) than the same exposure in adulthood. In fact, many chronic diseases of adulthood are now thought to originate from environmental exposures that occur during development.

EPA's 1995 Policy on Evaluating Risks to Children requires the consistent and explicit consideration of the risks to infants and children in Agency risk assessments when setting standards to protect public health and the environment. This policy was reaffirmed in both 2013 and 2018. Executive Order 13045 (EO 13045): Protection of Children from Environmental Health Risks and Safety Risks was signed in 1997. It requires all federal agencies to assign a high priority to addressing health and safety risks to children, coordinate research priorities on children's health, and ensure that their standards take into account special risks to children.

While a great number of successes in efforts to strengthen environmental protection for children have taken place since the EPA children's policy and EO 13045 were enacted, more can be done to ensure that the protection of children's health is fully integrated within the agency. One important step is to continue to provide up-to-date and relevant training to EPA staff, especially key staff throughout the agency, on when and how to integrate children's environmental health (CEH) considerations and protection into EPA programs, policies and activities. The currently available CEH training has not been substantially updated since it was developed in 2011-2012. An update to the original training needs is necessary to reflect not only the advances in science and research on CEH but also the important work EPA has conducted in the intervening years.

II. PURPOSE

The purpose of this performance work statement (PWS) is to update the online Children's Environmental Health training course for EPA staff. Through this proposed update, one or more categories of EPA employees, including both non-experts and experts on human health risk assessment, will use improved online learning technology, the most up-to-date science and examples from more recent EPA actions to learn or refresh their knowledge on how to utilize Agency tools and policies within their specific program area to more effectively protect children from harmful environmental exposures.

III. STATEMENT OF WORK

This module will be delivered via a self-paced, on-line format available on EPA's FedTalent website. The training module must be compatible with EPA's current computer systems, accessible by internet, not in breach of firewall regulations, interactive, provide multiple capabilities from various users and use a learning style or format that is compelling for adults.

The proposed on-line training update shall educate EPA employees on basic information about CEH including a basic overview of the scientific information about how children are more susceptible to environmental contaminants than adults, regulatory policy, the general role of human health risk assessment in protecting children's health and a summary of resources, tools, and data sources that will be useful to EPA staff. The updated training should also include examples of: 1) recent case studies reflecting CEH concerns; 2) Agency actions protecting CEH; 3) actions that EPA staff can take to help minimize children's exposures to environmental contaminants; and 4) tips for the public to protect children from environmental risks. As with the original, this updated training shall be available to any EPA employee interested in increasing their general CEH knowledge.

The Contractor, in consultation with the TOPO, shall provide all technical support within the scope of this PWS and perform tasks, as specified below in the following areas: assistance in updating the specific content of the CEH training; updating the visuals and voice-overs of the content and web/technological expertise to allow for proper flow, sequence and formatting of the updated training.

These tasks require expertise in disciplines such as environmental health sciences, toxicology, public health, website development, graphic design and communicating technical information to a nontechnical audience.

The Contractor shall attend a kick-off meeting, either via conference call or in-person, whichever is most cost effective to the Government, to discuss the goals, strategy, and schedule for completing deliverables. The specific date of the kick-off meeting shall be determined in consultation with the TOPO and COR. The Contractor shall meet the standard reporting requirements of the contract. The Contractor shall also attend a wrap-up meeting at the end of the Period of Performance to ensure that all project goals and objectives have been met and discuss any outstanding issues.

IV: DELIVERABLES/SERVICES

1. Updated online training content

The Contractor shall update the content of the existing online CEH training to meet the following requirements:

- The Contractor shall coordinate with the TOPO and other members of the EPA project team to gather CEH information that will be used as content for the updated training and the overall framing of the training. Content shall include but is not limited to recent CEH case-studies (≤ 5 years old), recent

EPA actions relevant to CEH (≤ 5 years old), recent (≤ 5 years old) EPA publications relevant to CEH, etc. The Contractor, EPA project team and if possible, with consultation from the Pediatric Environmental Health Specialty Units, shall identify several case studies that can be used in the context of the training or as examples to demonstrate various CEH principles.

- The Contractor shall subsequently develop an outline of the updated training and shall include 2-3 variations of the training, including sequence of lesson modules, formatting, layout and general visual appearance. Of the options presented, EPA shall subsequently choose the option deemed most conducive to adult online learning.
- The Contractor shall ensure all functionality of weblinks to various website and other resources throughout the training.
- The training shall take no more than 30 minutes to complete.
- The training shall be compliant with Section 508, Accessibility Standards of the Rehabilitation Act of 1973 and Amendments of 1998.
- The Contractor (with assistance from the TOPO and EPA project team) shall conduct a pilot of the updated training with volunteer EPA staff from various EPA program offices (from both headquarters and the regions) for initial feedback.

The updated training shall retain (from the original) or add the following core topic areas (order of topics may change/topics may be added or removed as training is being developed):

- A. Highlight the tools to protect children's health
 - a) Regulatory and policy framework
 - i. 1995 EPA Policy on Evaluating Risk to Children
 - a. 2013 Reaffirmation of Children's Health Policy
 - b. 2018 Reaffirmation of Children's Health Policy
 - ii. 1997 Executive Order 13045 – Protection of Children from Environmental Health Risks and Safety Risks
 - iii. Guide to Considering Children's Health When Developing EPA Actions: Implementing Executive Order 13045 and EPA's Policy on Evaluating Health Risks to Children
 - b) Laws or Statutes which mention protecting children's health and susceptible populations
 - i. Safe Drinking Water Act
 - ii. Food Quality Protection Act
 - iii. Frank R. Lautenberg Chemical Safety for the 21st Century Act (Amended TSCA)
- B. Educate users about why EPA has a special focus on children
 - a) How and why children are more susceptible to some environmental exposures than adults:
 - i. Differences in physiology
 - ii. Differences in behaviors
 - iii. Windows of vulnerability due to their rapid growth and development during various life-stages
- C. Educate users about the various types of exposure pathways
 - a) Oral (including breast milk)
 - b) Inhalation
 - c) Dermal
 - d) Transplacental

- D. Educate users about exposure durations
 - a) Acute
 - b) Short-term
 - c) Long-term
 - d) Chronic
 - e) Steady state
- E. Educate users about the ways to combine multiple exposures to a single chemical (aggregate exposure) or combine exposures to multiple chemicals (cumulative exposure) that may affect the same health endpoint.
- F. Educate users about early life adverse health endpoints (e.g. asthma, neurologic function, delayed or early onset of puberty) and latent effects in adults.
- G. Children's physical environments
 - a) Home
 - b) School
 - c) Childcare centers
 - d) Others
- H. Update case studies to provide more recent (≤ 5 years old) examples of "real-world" CEH concerns using a variety of chemical (e.g., lead, mercury, PFAS) and non-chemical stressors (e.g., disasters such as wildfire or flooding)
- I. CEH Outreach and Education Programs from various EPA Program Offices
- J. Children's Health Protection Advisory Committee (CHPAC)
- K. President's Task Force on Environmental Health Risks and Safety Risks to Children (PTF)
 - a) Brief background
 - b) Various PTF projects
- L. Provide information about CEH resources
 - a) All listed resources shall be organized by topic area or another other metric proposed by the Contractor in consultation with the TOPO and EPA project team to allow users to easily determine relevance to their specific needs
 - b) Ensure all listed resources are relevant and up-to-date, and that weblinks are functional
 - c) Examples of resources include:
 - i. Web resources
 - ii. Regional Children's Health Coordinators
 - iii. Pediatric Environmental Health Specialty Units (PEHSUs)
 - iv. America's Children and the Environment Reports
 - v. Materials available through US EPA and other authoritative sources

2. Updated training visuals

The contractor shall present multiple options to the TOPO and the project team for updating the visuals of the existing online. The update to the visuals of the CEH training shall meet the following requirements:

- A. Updating the visual appearance of the training
 - a) Selecting a color scheme that is professional, modern and aesthetically pleasing
 - b) Selecting graphics (pictures, text boxes, buttons, etc) that is professional, modern and aesthetically pleasing
- B. Recording voiceovers in the training that are consistent in terms of volume, tone, cadence and natural speaking style
 - a) An option will be provided to allow users to turn the voiceovers on/off

C. Subtitles of the voiceovers shall also be provided

- a) Subtitles shall generally be verbatim text of the voiceovers, but shall be modified as appropriate to facilitate users who are not solely using the subtitles and have the voiceovers off
- b) An option shall be provided to allow users to turn the subtitles on/off
- c) Font size, color and style conducive to legibility shall be selected

3. Ensure compatibility with EPA network and web browsers

- A. The contractor shall work with the EPA training and web development team to upload the final version of the updated online CEH training to FedTalent and ensure compatibility with web browsers used by EPA including Google Chrome and Internet Explorer

Note: some of these criteria may have already been met during the development of the original online training. The update proposed here shall incorporate more recent developments in science, Agency actions or case studies.

DELIVERABLES REQUIRED AND SCHEDULE FOR COMPLETION OF TASKS

LEAD	DELIVERABLE	SCHEDULE
EPA & Contractor	Set-up and attend kick-off meeting	Within two weeks of award
Contractor	Develop draft general outline of the updated training	Within two weeks of kick-off meeting
EPA	Provide feedback to Contractor on draft general outline of updated training	Within one week of receiving draft outline from Contractor
Contractor	Develop revised draft general outline based on EPA feedback	Within two weeks of receipt of feedback from EPA
EPA	Provide feedback on revised draft general outline of the updated training	Within one week of receipt from Contractor
Contractor	Incorporate EPA feedback and provide final version of general outline of the updated training	Within one week of receipt of feedback from EPA
EPA & Contractor	Develop detailed outline for training as described in the final outline	Within three weeks of completion of final, approved general outline
EPA & Contractor	Compile materials to be used in updated training	Within four weeks of development of detailed outline
Contractor	Incorporate content, graphics and voiceover into a working version of the online training	Within six weeks of compilation of CEH materials
EPA	Provide feedback on draft working version of updated online training	Within two weeks of receipt from Contractor
Contractor	Incorporate EPA feedback into draft working version of updated online training	Within three weeks of receipt of EPA feedback

EPA	Provide feedback on revised online training	Within two weeks of receipt of revised training from Contractor
Contractor	Incorporate EPA feedback and provide working version of updated online training (penultimate draft)	Within two weeks of receipt of EPA feedback
EPA & Contractor	Conduct a pilot of the updated training with volunteer EPA staff from various EPA program offices (from both headquarters and regions)	Within three weeks of completion and EPA receipt of penultimate draft
Contractor	Incorporate feedback from pilot and provide final working version of updated online training to TOPO	Within three weeks of receipt of feedback from pilot

PROJECT REPORTING

The Contractor shall provide project management under this task and shall submit a Monthly Progress Report to the project TOPO and if necessary, to the Contracting Officer Representative (COR) and Contracting Officer (CO).

PERIOD OF PERFORMANCE

The period of performance for this Task Order is from the date of the kick-off meeting until one year after the date of the kick-off meeting.

QUALITY ASSURANCE/QUALITY CONTROL REQUIREMENTS

The Contractor shall be responsible for quality control and quality assurance of all tasks. All products provided relevant to this task order shall be free of grammatical, spelling, and typographical errors, and accurately summarize scientific information with correct and complete reference citations (as appropriate). Products not adhering to these standards or guidelines or substantially lacking scientific quality shall not be accepted.

Task Order Project Officer (TOPO):

Manthan Shah
Office of Children's Health Protection (OCHP)
Regulatory Support and Science Policy Division (RSSPD)
Phone: 202-566-2598
Email: shah.manthan@epa.gov

Alternate TOPO:

Christine Lloyd
Environmental Health Scientist, OCHP/RSSPD
Phone: 202-566-2506
Email: lloyd.christine@epa.gov

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CODE CAD		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(X)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC20F0279	
				10B. DATED (SEE ITEM 13) 06/04/2020	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: MANTHAN SHAH Max Expire Date: 06/03/2021

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC20F0279/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/04/2020 to 06/03/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES
1 264

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 07/01/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE Office of Research and Development	
3. ORDER NO. 68HERC20F0317		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 1200 Pennsylvania Avenue, NW MC: 8101R	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 9300 LEE HIGHWAY				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 365 Days After Award	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: TOM TRACY					
	Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$318,684.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$318,684.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 07/01/2020

ELECTRONIC SIGNATURE

23. NAME (Typed)
William M. Yates
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

PAGE NO

SCHEDULE - CONTINUATION

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER		CONTRACT NO.		ORDER NO.		
07/01/2020		68HERC19D0003		68HERC20F0317		
ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0001	<p>Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 07/01/2020 to 06/30/2021</p> <p>19261AC915: BOSC TO-001. The primary functions of the BOSC include evaluating ORDs science and engineering research programs, laboratories, and research-management practices. This is to complete funding and fully fund TO-0001. PR-ORD-19-00490 has additional funds for this Task Order.</p> <p>Contract 68HERC19D0003 (Internal TO-0041) TO-TBD for BOSC - Board of Scientific Counselors Meeting/Conference Requisition No: PR-ORD-20-01455, PR-ORD-20-01698</p> <p>Accounting Info: 20-21-C-2633000-000FK8XPW-2532-26A5C-2 02632E005-001 BFY: 20 EFY: 21 Fund: C Budget Org: 2633000 Program (PRC): 000FK8XPW Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 202632E005-001 Funding Flag: Partial Funded: \$250,000.00</p> <p>Accounting Info: 20-21-C-2632000-000FK8-2532-26A5C-202632E007-001 BFY: 20 EFY: 21 Fund: C Budget Org: 2632000 Program (PRC): 000FK8 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 202632E007-001 Funding Flag: Partial Funded: \$68,684.00</p> <p>19261AC9015: BOSC TO-001. The primary functions of the BOSC include evaluating ORDs science and engineering research programs, laboratories, and research-management practices. This is to Continued ...</p>				318,684.00	

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER
07/01/2020

CONTRACT NO.
68HERC19D0003

ORDER NO.
68HERC20F0317

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	complete funding and fully fund TO-0001. PR-ORD-19-00490 has additional funds for this Task Order.					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**PERFORMANCE WORK STATEMENT
CONTRACT NO. 68HERC19D0003 (HHRA)
Task Order 68HERC20F0317**

TITLE: Board of Scientific Counselors (BOSC) Meeting / Conference Support

Specify Section & Paragraph SOW:

- E. Risk Assessment Support
 - 1. Science Writing, Risk Communication and Training
 - 2. Administration and Technical Support for NCEA Human Health Related Meetings

PERIOD OF PERFORMANCE: Contract Award thru March 31, 2021

1. BACKGROUND

The primary functions of the BOSC include evaluating ORD's science and engineering research programs, laboratories, and research-management practices, and recommending actions to improve their quality and/or strengthen their relevance to the mission of the EPA. For more information on the BOSC, go to <http://epa.gov/osp/bosc/>. This task order is continuation to work performed in the Year 5 Option Period under Work Assignment # 4-26. The work continues from Task 1 through Task 4 during this extension of Year 5 Option Period under Work Assignment 4-26.

2. PURPOSE

The purpose of this task order is to provide: a full range of administrative and logistical support services for the conduct of Federal Advisory Committee meetings, conferences and/or teleconferences related to the Charter of the Office of Research and Development's Board of Scientific Counselors (BOSC); administrative activities required for reports prepared by the BOSC Executive Committee or it's Subcommittees and Workgroups; and the full range of administrative support services for assimilating materials collected from extensive candidate searches conducted for either the Executive Committee, or existing or proposed Subcommittee and Workgroups.

The contractor's activities will not require special expertise in matters of science discussed by the Board, but the contractor should possess the practical knowledge, experience, and skills commonly used in facilitating high-level policy meetings.

Meetings of the BOSC Executive Committee, Subcommittees and Workgroups will generally be held on-site at US EPA (either Headquarters or a Laboratory/Center, as appropriate), if space is available, with the approval of the Designated Federal Officer (DFO). Under this task order, it is anticipated that contractor support shall be required for approximately three Executive Committee meetings (one is expected to be face-to-face meeting); approximately 5 face-to-face program review subcommittee meetings. In addition, contractor support shall be needed for approximately 10 conference calls (expected to be 2-3 hour calls) in support of the Subcommittee and Workgroup meetings. The EPA TO-COR will provide the meeting dates via written technical direction.

It is anticipated that approximately one report shall be generated by the BOSC during the timeframe of this task order, and that candidate searches requiring contractor support may occur no more than one time during the period.

3. STATEMENT OF WORK

This Statement of Work describes EPA's requirements regarding services to be rendered by the contractor for BOSC meeting and conference support. The contractor shall provide the necessary personnel and resources in the following four areas for the BOSC:

1. Pre-meeting communication and logistical support.
2. On-site technical support during meetings/teleconferences.
3. Prepare summary minutes of meetings/teleconferences.
4. Word processing for reports.

Task 1. Pre-meeting communication and logistical support

The contractor shall provide administrative support services as requested by the EPA TO-COR in support of new candidates to the BOSC for either the Executive Committee, or existing or proposed Subcommittee and Workgroups.

As requested by the EPA TO-COR, the contractor shall prepare materials for meetings including roster, agenda, minutes of last meeting (if appropriate), other background/logistical material needed. Via written technical direction, the meeting/teleconference dates will be provided by the EPA TO-COR. All correspondence shall be transmitted under the Designated Federal Officer's name. It is anticipated that there will be approximately 30 participants for each Executive Committee meeting, and approximately 20-30 participants for each Subcommittee face-to-face meeting.

The contractor shall obtain meeting space facilities when government owned facilities are not available, as determined by the EPA TO-COR (this includes negotiation with hotels or other entities to obtain meeting space, as well as reservations (room blocks) for lodging that fall within U.S. Government per-diem rates and meet Agency lodging requirements).

Task 2. On-site technical support during meetings/teleconferences

The contractor shall provide recorders to take minutes at each meeting/teleconference. The contractor shall ensure that all equipment needed at the meeting is available, to include microphone equipment, laptop computers, etc., as needed and specified by the EPA TO-COR.

The contractor shall provide a registration table each day of the meeting and shall provide table tents and name badges for participants. The contractor shall also photocopy additional sets of handouts and materials as may be required during the meeting as requested by the EPA TO-COR.

The contractor shall collect any materials not distributed at the meeting or materials left behind by BOSC members and dispose of as appropriate.

Task 3. Prepare summary minutes of meetings/teleconferences

The contractor shall prepare and submit to the EPA TO-COR draft minutes of the meetings/teleconferences within approximately 15 working days of the end of each meeting/teleconference. The contractor shall incorporate comments and changes to the minutes per written technical direction by the EPA TO-COR and submit final minutes within 5 working days of receiving EPA comments.

Task 4. Word Processing for Reports

The contractor shall provide support for any reports prepared by the BOSC Executive Committee or its Subcommittees. The contractor shall not be involved in developing the technical content of the report, and shall not provide any scientific technical expertise. The contractor shall only provide word processing services to compile, format, edit (based on Executive Committee and Subcommittee member input, plus any factual changes requested by ORD and approved by the Executive Committee), and finalize reports prepared by the Executive Committee or its Subcommittees.

The contractor shall compile/format/edit and submit draft Executive Committee/ Subcommittee reports to the EPA TO-COR within approximately 15 working days after receiving report content. The contractor shall incorporate comments and changes to the reports and submit final reports to the EPA TO-COR within 5 working days of receiving comments.

4. SCHEDULE OF DELIVERABLES*

Product	Due Date
Logistical Arrangements of Meeting	60 working days prior to meeting
Draft Minutes of Meeting	15 working days after completion of meeting
Final Minutes of Meeting	5 working days after receipt of comments from EPA TO-COR
Draft Exec Committee/Sub-committee reports	15 working days after receipt of report EPA TO-COR) content from EPA TO-COR
Final Exec Committee/Sub-committee reports	5 working days after receipt of comments EPA TO-COR) from EPA TO-COR

* Subject to change in accordance with FACA and EPA requirements

5. SPECIAL CONDITIONS

Final products shall be produced by the Contractor upon EPA TO-COR's approval through written technical direction. The Contractor shall provide all materials written under these tasks to the EPA TO-COR, as per task order.

7. CONFIDENTIALITY

Some of the work assigned under these tasks may be to draft, edit, and review program and sensitive organizational information that will not be ready for broad or public distribution. The contractor shall not discuss the contents of any document with anyone not specified as a participant in the documents review process or its preparation. The EPA TO-COR will supply the contractor with a list of individuals involved with any documents under these tasks.

8. MANAGEMENT CONTROLS

Periodic meetings between the EPA and contractor task order managers are encouraged to discuss any questions that may arise during performance or completion of this task order. At the EPA TO-COR's

discretion, these meetings may occur via teleconference or video conferences. The contractor shall document these meetings and submit copies of this correspondence to the EPA TO-COR.

The EPA TO-COR may identify one or more EPA technical representatives for this task order. Interaction between the contractor and any EPA technical representative(s) designated by the EPA TO-COR is solely for the purpose of presenting and discussing the information, analyses, results, or presentations related to this task order. The interaction will be technical communication vice technical direction. Per the technical direction clause EPAAR 1552.237-71 of the contract, the PO and the TO-COR or alternate TO-COR are the primary representatives of the CO authorized to provide technical direction.

TASK ORDER CONTRACT OFFICER REPRESENTATIVE (TO-COR) AND ALTERNATE TO-COR

WA-COR:

Thomas Tracy
Designated Federal Officer
Board of Scientific Counselors
Office of Research and Development
U.S. Environmental Protection Agency
Mail Code 8104R
1200 Pennsylvania Avenue, NW
Washington, DC 20460 - 202-564-6518

Alternate WA-COR:

Anthony Grimm
Office of Science Policy
Office of Research and Development
U.S. Environmental Protection Agency
Mail Code 8104R
1200 Pennsylvania Avenue, NW
Washington, DC 20460 - 202-564-0153

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CODE CAD		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(X)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC20F0317	
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 07/01/2020	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: TOM TRACY

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC20F0317/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/01/2020 to 06/30/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE	OF	PAGES
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020	4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)		
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE		
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors			<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER		
			<input type="checkbox"/>		9B. DATED (SEE ITEM 11)		
			<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders		
			<input type="checkbox"/>		10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 07/02/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE Office of Research and Development	
3. ORDER NO. 68HERC20F0318		4. REQUISITION/REFERENCE NO. PR-ORD-20-01127			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 1200 Pennsylvania Avenue, NW MC: 8101R	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 9300 LEE HIGHWAY				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 07/01/2021	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: Dahnish Shams					
	Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$1,327,453.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$1,327,453.00
c. CITY Durham			d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL	

22. UNITED STATES OF AMERICA BY (Signature)

07/02/2020

ELECTRONIC SIGNATURE

23. NAME (Typed)

William M. Yates

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 07/02/2020	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC20F0318
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 07/02/2020 to 07/01/2021</p> <p>Contract 68HEC19D0003 (Internal TO# 0037) General CPHEA Assessment Support Replacement Task Order (2020)</p> <p>Accounting Info: 20-21-C-26D1000-000F84-2532-26A5C-2026 D1C013-001 BFY: 20 EFY: 21 Fund: C Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 2026D1C013-001 Funding Flag: Complete Funded: \$261,352.00</p> <p>Accounting Info: 19-20-C-26D1000-000F84-2532-26A5C-2026 D1C013-002 BFY: 19 EFY: 20 Fund: C Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 2026D1C013-002 Funding Flag: Complete Funded: \$502,150.00</p> <p>Accounting Info: 19-20-C3-26D1000-000F84-2532-26A5C-2026 6D1C013-003 BFY: 19 EFY: 20 Fund: C3 Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Job #: HQ00BG00 Cost: 26A5C DCN - Line ID: 2026D1C013-003 Funding Flag: Complete Funded: \$24,951.00</p> <p>Accounting Info: 20-21-C3-26D1000-000F84-2532-26A5C-2026 6D1C013-004 BFY: 20 EFY: 21 Fund: C3 Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Job #: HQ00BG00 Cost: 26A5C DCN - Line ID: 2026D1C013-004 Funding Flag: Complete Continued ...</p>				1,327,453.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$1,327,453.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER
07/02/2020

CONTRACT NO.
68HERC19D0003

ORDER NO.
68HERC20F0318

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Funded: \$539,000.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

PERFORMANCE WORK STATEMENT
Contract No. 68HERC19D0003
Order No. 68HERC20F0318

Title: General Support of CPHEA Assessment Activities (2020)

Specify Section & Paragraph SOW: A. Assessment Issues and Documents

Period of PERFORMANCE: CO award – 12 Months

I. PURPOSE

The purpose of this task order is to provide services to the U.S. Environmental Protection Agency's (EPA) Center for Public Health and Environmental Health (CPHEA), Office of Research and Development (ORD), in supporting the development of health assessments.

II. BACKGROUND

The Environmental Protection Agency's (EPA) Center for Public Health and Environmental Assessment (CPHEA) provides scientific leadership for evaluating human health and ecological risks associated with exposure to physical, chemical, and biological stressors, including environmental pollutants. CPHEA relies upon external experts to support its mandated function of effectively analyzing, synthesizing, and communicating information in support of EPA's mission to protect human health and the environment.

III. STATEMENT OF WORK

A. Objective

The objective of this task order is to assist the CPHEA in developing toxicological reviews, assessments, and other related assessment materials. Contractor support will be requested to assist in the development of products that contribute to the development of chemical assessments and inform risk management decisions in support of EPA's program and regional offices.

B. Specific Requirements (Tasks)

Task 1: Establish Communication

Within 3 days of the start date of this TO, the Contractor shall schedule a conference call (not to exceed 1 hour) with the TOPO and appropriate contractor staff to clarify outstanding questions and to review specific tasks. The TOPO will submit the work requests via a Technical Directive Form. This form will be used as instructions to the contractor and will be submitted with each request. Copies of all correspondence pertaining to the performance of this task order shall be sent to the PO.

Within 3 days of modification, the Contractor shall schedule a conference call (not to exceed 1 hour) with the TOPO and appropriate contractor staff to clarify outstanding questions and to review additional tasks.

Delivery Schedule: Conference call scheduled within 3 days after receipt of task order.

Task 2. Quality Assurance Project Plan (QAPP)

The Contractor shall develop a QAPP for this PWS. The QAPP shall be submitted for approval. The Contractor shall not perform any work under this PWS until the QAPP is reviewed and approved by the TOPO and Quality Assurance Manager.

The contractor must ensure that all data collected, generated or used are of the appropriate type and quantity needed and of known, documented, and adequate quality. This statement of applicability conforms to the Agency's requirements. The Contractor must submit a QAPP that addresses data generation, collection, use, and analysis. The QAPP should include a description of quality control checks to verify accuracy, completeness, and adherence to established format. The Contractor must address in the QAPP how existing data will be considered for the task order. Existing (secondary) data is defined as the use of data that was developed for a different purpose and includes data in the published literature. The QAPP shall be in conformance with EPA's *Requirements for Quality Assurance Project Plans* (EPA QA/R-5). Guidance for developing QAPPs that meet EPA specifications prepared for activities conducted by or funded by EPA, are available online at http://www.epa.gov/quality/qa_docs.html, see "[EPA Requirements for Quality Assurance Project Plans \(QA/R-5\)](#)".

The Contractor shall update the current Quality Assurance Project Plan (QAPP) to include the additional tasks.

Delivery Schedule: Due 15 days after issuance of the task order.

Task 3: Systematic Review Support of CPHEA's Assessment Activities

Specific direction will be provided by the EPA TOPO through Technical Direction. It is expected that there will be approximately (15) technical directive for this task. For each technical directive, the Contract shall develop a workplan describing the proposed strategy and approach to address each technical directive.

Subtask 1. Literature searching

- Develop search strategies in close collaboration with the EPA assessment team and HERO staff (as needed).
- Perform and update electronic search using specified bibliographic databases listed in the IRIS Handbook and any other assessment-specific databases as needed.
- Use additional search strategies as identified in the IRIS Handbook, including (but not limited to), reviewing reference list of included studies, reviewing reference list of pertinent reviews or other assessments, or "forward" and "backward" searching based on articles identified as key studies.

Subtask 2. Screening references for relevance

- Conduct title/abstract (30,000 records) and full-text screening (6,000 records) with appropriate tagging of studies as outlined in the IRIS Handbook using DistillerSR software or similar software application. The tagging structure may need to be customized for each assessment (in consultation with EPA assessment team). While the primary focus of this task order is to address human health outcomes, the Contractor may also be required to screen records associated with non-human health disciplines.
- Use machine-learning software tools as directed to expedite screening.
- Update HERO project page and HAWC project page (as needed) with chemical-specific tags.

Subtask 3. Developing literature inventories

- In consultation with EPA assessment team, summarize studies considered relevant after full-text review using DistillerSR forms or similar structured entry format.
 - For animal studies the following information are typically captured: chemical form (parent or metabolite), study type (e.g., acute, subchronic, developmental, etc.), duration of treatment, route, species, strain, sex, dose or concentration levels tested, dose units, health system and specific endpoints assessed, and a summary of findings at the health system level (null or NOEL/LOEL with an indication of which specific endpoints were affected).
 - For epidemiologic studies the following information are typically captured: chemical form, population type (e.g., general population-adult, occupational, pregnant women, infants and children, etc.), study type (e.g., cross-sectional, cohort, case-control), short free text description of study population, sex, major route of exposure (if known), description of how exposure was assessed, health system and specific outcome assessed, and a summary of findings at the health system level (null or an indication of any associations found and a description of how the exposure was quantified in the analysis). Instructions on which endpoints will under further analysis and extraction are also collected at this point.
 - Literature inventories for mechanistic studies may also be needed but the specific format may be chemical-specific
- Provide EPA assessment team with excel files from SR review tools (e.g., DistillerSR) in a format that is appropriate for visualization of results in Tableau, Qlik Sense, or similar application. At the request of the TOCOR, the Contractor may be required to procure approximately 25 licenses of at least two applications (e.g., DistillerSR, Tableau) over the life of the task order for use primarily by the Contractor.

Subtask 4. Study Quality Evaluation and Data Extraction

- Conduct study quality evaluation for human (1500 records), animal (1500 records), and mechanistic studies (150 studies) in HAWC (or other similar tool) deemed relevant for inclusion into a chemical assessment or associated product.
- Conduct data extraction into HAWC (or other similar tool) for human (375 records), animal (375 records), and mechanistic studies (36 studies) deemed relevant for inclusion into a chemical assessment or associated product.

Subtask 5. Documenting the methods, results, and literature search strategy

- In consultation with EPA assessment team, document the results of the activities undertaken described within this task. This may include:
 - Preparing method description of SR methods and results using an example or template provided by EPA;
 - Documenting search strings, results (number of citations), and date of searches;
 - Providing tabular summaries of the literature search strategy; and
 - Creating and revising literature search flow diagrams in power point and create literature inventory tree in HAWC.
 - Training EPA and support staff on the methods used or developed to support aspects outlined in Subtasks 1-5. This may include convening up to an estimated 2 meetings (with training materials) and developing up to estimated 2 standard operating procedures.

Delivery Schedule: Deliverable schedule will be defined in the technical direction.

IV. EPA CONTACT INFORMATION

Copies of all correspondence pertaining to the performance of this task order shall be sent to the CL-COR.

TOCOR

Dahnish Shams
202-564-2758
shams.dahnish@epa.gov

Alternate TOCOR

Michelle Angrish
919-541-5381
Angrish.michelle@epa.gov

ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES		
						1	2	
IMPORTANT: Mark all packages and papers with contract and/or order numbers.								
1. DATE OF ORDER 07/16/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO:				
3. ORDER NO. 68HERC20F0356		4. REQUISITION/REFERENCE NO. PR-ORD-20-01266		a. NAME OF CONSIGNEE Office of Research and Development				
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 109 T.W. Alexander Drive				
				c. CITY Research Triangle Park		d. STATE NC	e. ZIP CODE 27711	
7. TO: Robert Toth				f. SHIP VIA				
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.				
b. COMPANY NAME								
c. STREET ADDRESS 9300 LEE HIGHWAY				<input checked="" type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.				
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN				
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB						12. F.O.B. POINT		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 07/15/2021		16. DISCOUNT TERMS		
a. INSPECTION Destination		b. ACCEPTANCE Destination						
17. SCHEDULE (See reverse for Rejections)								
ITEM NO. (a)	SUPPLIES OR SERVICES (b)			QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: NICA LOUIE Continued ...							
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$54,916.00	17(h) TOTAL (Cont. pages) ▲
	21. MAIL INVOICE TO:							
	a. NAME		RTP Finance Center					
	b. STREET ADDRESS (or P.O. Box)		US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts				\$54,916.00	17(i) GRAND TOTAL ▲
	c. CITY		d. STATE	e. ZIP CODE				
Durham		NC	27711					
22. UNITED STATES OF AMERICA BY (Signature)					07/16/2020		23. NAME (Typed) William M. Yates TITLE: CONTRACTING/ORDERING OFFICER	

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 07/16/2020	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC20F0356
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 07/16/2020 to 07/05/2021</p> <p>Contract 68HERC19D0003 (Internal TO-0029) Convening and Facilitation Support for EPA's Children's Health Protection Advisory Committee (CHPAC)</p> <p>Accounting Info: 19-20-B-QZ-000MH3-2505-2011Z01019-001 BFY: 19 EFY: 20 Fund: B Budget Org: QZ Program (PRC): 000MH3 Budget (BOC): 2505 DCN - Line ID: 2011Z01019-001 Funding Flag: Complete Funded: \$3,405.33</p> <p>Accounting Info: 20-21-B-QZ-000MH3-2505-2011Z01019-002 BFY: 20 EFY: 21 Fund: B Budget Org: QZ Program (PRC): 000MH3 Budget (BOC): 2505 DCN - Line ID: 2011Z01019-002 Funding Flag: Complete Funded: \$51,510.67</p>				54,916.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$54,916.00

PERFORMANCE WORK STATEMENT

ICF, Inc. 68HERC19D0003

Task Order: 68HERC20F0356

Internal Tracking (TO-0029)

Task Order TITLE: Convening and Facilitation Support for EPA's Children's Health Protection Advisory Committee (CHPAC)

I. Background, Purpose and Scope

The Office of Children's Health Protection (OCHP) in the Office of the Administrator was formed in February 1997. The plans for this office include the convening of the Children's Health Protection Advisory Committee (CHPAC). The CHPAC supports and furthers EPA's commitment to child-protective environmental standards; to research policies on children's unique susceptibility and exposure to environmental contaminants; to community involvement and education on children's environmental health; and to public health issues as they apply to children. The CHPAC provides advice to EPA (the Agency) on issues of children's environmental health protection in the areas of science and research, regulatory issues, communications and outreach.

OCHP has established this balanced, broad-based Federal Advisory Committee comprised of stakeholders from many points of view. The CHPAC meets approximately three times each year. The CHPAC is chartered every 2 years. The first meeting was held in December 1997 and the charter has been renewed until October 4, 2021.

The CHPAC operates on a consensus basis. Plenary meetings are usually held in the Washington, DC area and take place about 2 – 3 times per year for two to three days. The CHPAC often holds work group meetings in conjunction with the plenary sessions. The EPA may use other locations for work group meetings as needed.

This task order describes services and support to EPA's CHPAC. The CHPAC has up to 30 plenary members. The CHPAC plenary meetings have been convened through September 2019. This SOW supports the following efforts:

- Up to two on-boarding/orientation calls; approximately 2 hours; June 2020
- Virtual meeting (approximately 4 hours) (July 2020)
- Virtual or in-person meeting in September/October 2020
- In person meeting in February 2021 (limited efforts under FY2020 funds to be supplemented with FY2021 funds)

Task 1 – Plan and Budget

The Contractor shall prepare a plan and budget. The cost proposal shall outline, describe, and include the technical approach, resources, timeline, and due dates for deliverables. Overall management effort of the task order, including planning meetings, conference calls, and monthly reports shall be addressed under this Task order.

Task 2 – Convening Activities and Organizational needs

The contractor, in consultation with the TOPO/Designated Federal Officer (DFO), shall assist in:

- CHPAC organizational issues such as revision of relevant CHPAC documents (e.g., CHPAC Operating Principles and Procedures.)
- Identifying relevant experts/presenters on technical/substantive issues relevant to the goals and purpose of the CHPAC for plenary and/or workgroup sessions.

- Identifying or replacing plenary and/or workgroup members.
- Obtaining commitments to participate in the CHPAC plenary and workgroups.

Task 3 – Agendas

- The contractor shall assist the steering committee in developing the agenda by arranging calls, ensuring availability of participants. This will include developing a draft agenda and keeping it updated and preparing post meeting list of action items.
- The contractor shall provide a final agenda to the TOPO/DFO for CHPAC plenary and work group meetings. The contractor shall distribute the final agenda to the TOPO/DFO, committee members, other participants, and interested parties.
- The contractor shall ensure accuracy of agenda and post/provide a website compliant plenary agenda for posting by EPA to the CHPAC website 2-3 weeks prior to the plenary (depending on EPA approval process.)
- The contractor shall ensure that information regarding upcoming CHPAC meeting dates and locations are posted/provided to EPA for posting to the CHPAC web page at least two months prior to the next plenary meeting (depending on EPA approval process.)
- In consultation with the DFO, the contractor shall work to ensure accuracy and completeness of the CHPAC web pages and shall work to ensure continued improvement and accessibility of information. The information would be provided to TOPO/DFO for ensuring that EPA updates the website. The TOPO/DFO may request that the changes are carried out by the contractor.

Task 4 – In-Between Meeting Support

- The contractor, in consultation with the TOPO/DFO, shall communicate in person, by phone or in writing with committee members and other participants between meetings to ensure that CHPAC issues and concerns have been communicated accurately and that committee members are adequately prepared for the next meeting.
- The EPA and the contractor's task order managers will hold periodic conference calls to discuss any questions that may arise during performance or completion of this task order. At the TOPO/DFO's discretion, these meetings may occur via teleconference or video conferences. The Contractor shall document these meeting and submit copies of this correspondence to the TOPO/DFO. The TOPO/DFO may identify one or more EPA technical representatives for this task order.

Task 5 – Meeting Planning and Facilitation

- The contractor shall provide meeting facilities, meeting set-up, full meeting implementation, and full administrative and technical support including preparation of pre-meeting materials, meeting materials, logistic and travel materials, name tags, name tents, post-meeting materials, audio-visual, and other needed equipment for all meetings of the plenary group and work groups for the CHPAC. The contractor shall consult with TOPO/DFO on the selection of meeting facilities and meeting materials. In the event that the meeting needs to be held virtually, the contractor shall ensure that a technology that is – that a software that is capable of hosting up to 200 participants is available for use
- The contractor shall ensure that contracts with meeting space and other vendors includes language to protect or reduce loss to EPA if there is a need to switch from an face-to-face meeting to a virtual meeting.
- The contractor shall provide final meeting materials 2-3 weeks prior to meetings (or as soon possible depending on time of receipt by contractor).
- The contractor shall facilitate plenary and work group sessions (face-to-face meetings and conference calls, as needed/requested by the TOPO/DFO) of the CHPAC. As facilitator, the contractor shall assist participants in articulating their interests, identifying areas of agreement, and developing consensus solutions to the problems that divide them. As facilitator, the contractor shall

keep the parties talking, listening, and moving as much as possible towards the goal of the process. The contractor, in consultation with the TOPO/DFO, shall organize and facilitate meetings with the CHPAC Steering Committee, including developing agendas and arranging conference call logistics. The facilitator shall not take a position on the merits nor recommend to the parties what the substantive resolution of an issue should be.

- Technical support to workgroups in preparing response to charge questions. This could include literature searches, note taking and other support upon request from TOPO/DFO.

Task 6 – Meeting Summaries

- The contractor shall provide meeting summaries of CHPAC plenary and work group meetings, conference calls, to the TOPO/DFO, and the committee members. The meeting summaries shall include agreements, outstanding issues, and action items. The summaries shall not include attributions except for clarification or assignment of work. The facilitator shall distribute final meeting summaries to the TOPO/DFO, committee members and other participants (2 weeks after receipt of comments).
- The contractor shall provide final meeting summaries with relevant and necessary attachments including lists of public observers.
 - Copies of documents compiled by or agreed upon by the committee (ground rules, agreements, statements, fact sheets, etc).

Task 7 – Subject Matter Experts

- As determined through consultation with the TOPO/DFO, the contractor shall provide subject matter experts in the field of pediatric medicine, developmental disorders, pediatric oncology, communications, economics, childhood unintentional injuries, and other relevant disciplines as identified by OCHP under procedures described in the base contract for approval of subcontractors and consultants. The subject matter expert shall perform the following tasks:
 - Provide expert testimony, briefings, presentations, literature searches, or discussions with the CHPAC or OCHP.
 - Write scientific issues papers to provide information in specific areas, and
 - Other tasks as identified by OCHP and agreed to by the TOPO/DFO.

Task 8 – Final Report

- The contractor shall furnish a draft final report of efforts and activities listed above to the TOPO/DFO. The contents shall include:
 - Mailing list for the CHPAC and alternates and any other mailing list(s) kept for communication purposes by the facilitators.
 - Relevant substantive correspondence between the facilitator and the participants.
 - An annual process evaluation by the facilitator summarizing results of the effort, analysis of issues and balance of parties, procedural lessons learned, and recommendation for improvements in the process.
- The TOPO/DFO will review the draft final report and provide comments and revisions as necessary. The contractor will prepare the final report incorporating their comments and revisions.
- The contractor shall provide the final report to the TOPO/DFO.
- The contractor shall make meeting materials available to CHPAC members electronically via an FTP site or other means.

II. DELIVERABLES/ SCHEDULE AND MILESTONES

Deliverable	Schedule
Task 1	
1. Cost proposal	Within time period requested by CO.
2. Monthly progress reports and invoice	Monthly, and in accordance with the contract
Task 3	
3. Preparation and distribution of plenary agendas that are compliant for posting on website	One week following steering committee calls
4. Preparation of workgroup agendas for distribution among workgroup members	Three days following workgroup meetings
5. Upkeep of website for accuracy and completeness	Upon request
Task 4	
6. Communication with CHPAC	As determined necessary
7. Periodic conference calls TOPO/DFO and contractor	As determined necessary
Task 5	
8. Final meeting materials	Three weeks before meetings, post to CHPAC share site
Task 6	
9. Final meeting summary	Two weeks after receipt of comment
Task 7	
10. Expert testimony, briefings, presentations, literature searches, scientific issue papers	Two weeks after receipt of request
Task 8	
11. Final report	Two weeks after receipt of comment

Milestones:

- Initial planning for CHPAC meetings
- Ongoing coordination with the DFO and oversight/monthly reports
- Conference calls with DFO re: organization for future CHPAC work
- Up to two one-hour orientation calls
- One (1) one-day virtual plenary meeting
- One (1) two-and-a-half-day plenary CHPAC meeting
- Up to 35 conference calls (including steering committee and workgroup calls)

III. PROJECT REPORTING

The Contractor shall provide project management under this task and shall submit a Monthly Progress Report to the TOPO/DFO and if necessary, to the Contracting Officer Representative (COR) and Contracting Officer (CO).

IV. PERIOD OF PERFORMANCE

The period of performance for this Task Order is from the date of the kick-off meeting until one year after the date of the kick-off meeting.

V. QUALITY ASSURANCE/QUALITY CONTROL REQUIREMENTS

The Contractor shall be responsible for quality control and quality assurance of all tasks. All products provided relevant to this task order shall be free of grammatical, spelling, and typographical errors, and accurately summarize scientific information with correct and complete reference citations (as appropriate). Products not adhering to these standards or guidelines or substantially lacking scientific quality shall not be accepted.

VI. TOPO: Nica Louie
EPA/AO/ Office of Children's Health Protection
MC: 1107A
1200 Pennsylvania Avenue, NW
Washington, DC 20460
TEL: (202) 564-7633
E-MAIL louie.nica@epa.gov

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CODE CAD		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(X)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC20F0356	
				10B. DATED (SEE ITEM 13) 07/16/2020	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

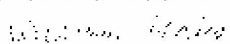
DUNS Number: 072648579

TOCOR: NICA LOUIE

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC20F0356/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/16/2020 to 07/05/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES		
						1	264	
IMPORTANT: Mark all packages and papers with contract and/or order numbers.								
1. DATE OF ORDER 07/16/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO:				
3. ORDER NO. 68HERC20F0357		4. REQUISITION/REFERENCE NO. PR-OCSPP-20-00271		a. NAME OF CONSIGNEE HQAD PY1				
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS One Potomac Yard 2777 S Crystal Drive				
				c. CITY Arlington		d. STATE VA	e. ZIP CODE 22202-3553	
7. TO: Robert Toth				f. SHIP VIA				
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.				
b. COMPANY NAME								
c. STREET ADDRESS 9300 LEE HIGHWAY				<input checked="" type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.				
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN				
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB						12. F.O.B. POINT		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 07/15/2021		16. DISCOUNT TERMS		
a. INSPECTION Destination		b. ACCEPTANCE Destination						
17. SCHEDULE (See reverse for Rejections)								
ITEM NO. (a)	SUPPLIES OR SERVICES (b)			QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: KATHRYN KORTHAUER Continued ...							
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$131,713.00	17(h) TOTAL (Cont. pages) ▲
	21. MAIL INVOICE TO:							
	a. NAME		RTP Finance Center					
	b. STREET ADDRESS (or P.O. Box)		US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts					17(i) GRAND TOTAL ▲
	c. CITY		d. STATE	e. ZIP CODE				
Durham		NC	27711					
22. UNITED STATES OF AMERICA BY (Signature)					07/16/2020		23. NAME (Typed) William M. Yates TITLE: CONTRACTING/ORDERING OFFICER	

ORDER FOR SUPPLIES OR SERVICES

PAGE NO

SCHEDULE - CONTINUATION

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 07/16/2020	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC20F0357
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 07/16/2020 to 07/05/2021</p> <p>New ICF HHRA 68HERC19D0003 Contract Task Order - TO-0040, OPP AD/HED Tech Support; Task Order with ICF to support EPA/OPP with statistical support for analyses of exposure and toxicology data pertinent for human health risk assessment of pesticides. For example, the contractor shall review and analyze statistical methods for assessing unit exposures for dermal and inhalation monitoring data for pesticide applicators as well as data associated with a variety of toxicology studies to potentially include toxico-kinetic and other modelling exercises. This work will require quick responses and agency interface.</p> <p>CO: William Yates COR: Melissa Revely-Wilson TOCOR: Kathryn Korthauer Alt TOCOR: Lori Brunsman</p> <p>Accounting Info: 20-P-32JP01N-000CJ1-2505-QF320100-2032 AD0024-001 BFY: 20 Fund: P Budget Org: 32JP01N Program (PRC): 000CJ1 Budget (BOC): 2505 Job #: QF320100 DCN - Line ID: 2032AD0024-001 Funding Flag: Complete Funded: \$71,305.00 Accounting Info: 20-P-32AP06Y-000CJ1-2505-2032AD0024-00 2 BFY: 20 Fund: P Budget Org: 32AP06Y Program (PRC): 000CJ1 Budget (BOC): 2505 Job #: QF320100 DCN - Line ID: 2032AD0024-002 Funding Flag: Complete Continued ...</p>				131,713.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$131,713.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
07/16/2020	68HERC19D0003	68HERC20F0357

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Funded: \$0.00 Accounting Info: 20-P-32AP0AR-000CJ1-2505-2032AD0024-00 3 BFY: 20 Fund: P Budget Org: 32AP0AR Program (PRC): 000CJ1 Budget (BOC): 2505 Job #: QF320100 DCN - Line ID: 2032AD0024-003 Funding Flag: Complete Funded: \$60,408.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**PERFORMANCE WORK STATEMENT
TECHNICAL SUPPORT FOR HUMAN HEALTH
RISK ASSESSMENT**

I: TITLE – OPP Technical Support for Human Health Risk Assessment

II: TASK ORDER CONTRACTING OFFICER REPRESENTATIVE

Kathryn Korthauer
Risk Assessment and Science Support Branch, AD, OPP
U.S. Environmental Protection Agency
2777 South Crystal Drive
Arlington, VA 22202
Ph: 703-347-0341
Fx: 703-308-8481
Email: Korthauer.Kathryn@epa.gov

Alternate Task Order Contracting Officer Representative:

Lori Brunsman
U.S. Environmental Protection Agency
2777 South Crystal Drive
Arlington, VA 22202
Science Information and Management Branch, HED, OPP
Ph: 703-308-2902
Email: Brunsman.lori@epa.gov

III: LEVEL OF EFFORT

AD Labor Hours:

315 hours = 250 Statistical Analysis; 40 Quick Response; 25 Project Management (20 hours for review of handheld sprayer protocol; 30 hours review of AEATF post application residue pilot study; 120 hours for review of completed immersion/dip/soak study; 80 hours for marine antifoulant study; 40 hours for quick response; 25 hours for project management)

HED Labor Hours:

402 hours = 270 Statistical Analysis; 100 Quick Response; 32 Project Management (150 hours for statistical support for external scientific committees; 50 hours for generic residential exposure task force survey review and summary; 40 hours for SAS support for residential joint venture survey queries; 30 hours for epidemiology study review; 100 hours quick response; 32 hours for project management)

Duration: 12 Months

IV: BACKGROUND

Pesticides are chemicals that are deliberately introduced into the environment for a specific purpose. As specified by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Federal Food, Drug, and Cosmetic Act (FFDCA) as amended by the Food Quality Protection Act (FQPA) and as modified by the Pesticide Registration Improvement Act (PRIA), a pesticide may be registered if its use will not result in unreasonable risks or unreasonable adverse effects to human health or the environment. The risks in this case are a combination of the inherent toxicity of the pesticide and the extent to which people are exposed to it. The goal of risk assessment is to provide an accurate and realistic picture of risks associated with human exposure to the pesticide. Companies which register pesticides (registrants) submit studies to the Environmental Protection Agency (EPA) that characterize and quantify the potential toxicity of pesticides and human exposures resulting from prescribed use of a given pesticide product. Submitted exposure studies, may focus on either occupational (e.g., mixer/loader/applicator or post-application/reentry) or on residential exposures, are used by EPA for calculation of total body exposure for a given pesticide-use scenario. Toxicity studies may focus on the elaboration and quantification of potential health effects of pesticides typically using animal models.

The Human Studies Review Board (HSRB or Board) is a Federal advisory committee operating in accordance with the Federal Advisory Committee Act (FACA) 5 U.S.C. App.2 § 9. The HSRB provides advice, information, and recommendations on issues related to scientific and ethical aspects of human subjects research which is a critical consideration if humans are involved in either toxicological or exposure research and EPA intends to use that research in an evaluation of a chemical. The major objectives are to provide advice and recommendations on: a. research proposals and protocols; b. reports of completed research with human subjects; and c. how to strengthen EPA's programs for protection of human subjects of research. The HSRB reports to the EPA Administrator through EPA's Science Advisor.

Before relying on the human studies data, EPA must evaluate submitted studies to determine their adequacy according to HSRB procedures if applicable. HSRB procedures, should they apply, require studies are submitted for review through the HSRB and that EPA address any questions or concerns the HSRB may have with the data. Meeting minutes, reports, and past evaluations are provided on EPA's HSRB website: <http://www.epa.gov/hsrb/>.

V: PURPOSE

The purpose of this procurement is to provide technical expertise for the review and evaluation of various types of data to assist EPA in meeting its legislative mandates. To support EPA's OPP, the contractor shall, upon request, perform a full review and evaluate various data submitted to support pesticide registration.

The contractor shall supply the necessary resources required for the performance of this contract. The scientific quality of reviews, assessments, reports, model tools, statistical

programs and software, and their timely preparation in accordance with negotiated schedules, are of paramount importance in the performance of this contract.

VI: GENERAL REQUIREMENTS

To perform task orders under this contract, the contractor may require access to FIFRA Confidential Business Information (FIFRA CBI) submitted by pesticide registrants to EPA. Disclosure of FIFRA CBI to contractors is provided for under Section 10(e) of FIFRA and in 40 CFR 2.307. Consequently, the contractor must be cleared for access to FIFRA CBI and must control FIFRA CBI according to the requirements specified for contractors in the EPA publication, "FIFRA Information Security Manual", dated July 1988. Access of the contractor to FIFRA CBI is intermittent and will not require allocation of office space. Identification of contractor personnel will be made by EPA while on site at EPA.

Control measures for protecting FIFRA CBI shall be in accord with the following sections of the Security Manual:

- "Disclosure of FIFRA CBI to contractors," Section 3;
- "Procedures for Gaining Access to FIFRA Sensitive Information," Section 4; and
- "Operational Procedures for Protecting FIFRA Sensitive Information," Section 5.

The contract, as written, shall incorporate certain clauses that describe actions to be taken by the contractor with regard to FIFRA sensitive information; these clauses are contained in **40 CFR 2.301 (h)(23)(ii)**, and are Exhibit 6 in the Security Manual.

In evaluating and performing services required under this Task Order (TO), the contractor shall submit all relevant information used in developing conclusions or options to the cognizant Task Order Contracting Officer Representative (TOCOR) for all projects for review and approval.

All reports, drafts, papers etc. prepared by the contractor shall be submitted in draft form. The contractor shall submit the completed draft to the TOCOR for review and approval. The drafts submitted shall include copies of the literature cited or make reference to all citations in the document for TOCOR verification and approval.

When in attendance at meetings, the contractor's attendance shall be limited to that portion of the activity for which the contractor is required in order to meet the requirements of the SOW. The contractor personnel shall identify themselves as contractor personnel in all activities associated with work performed under the SOW, and in attendance at meetings in conjunction with activities with the SOW requirements.

Reports submitted by the contractor that contain recommendations to the Agency (which will be used by EPA personnel in developing policy), will explain and rank policy or action alternatives, if any; describe the procedures used to arrive at recommendations, summarize the substance of deliberation; report any dissenting views; list the sources relied upon; and make clear the methods and considerations upon which the recommendations are based.

VII: SCOPE OF WORK

The contractor shall supply the necessary labor, materials, equipment, services and facilities (except as otherwise specified) required for the performance of each task order. The scientific quality of assessments and reports and their timely preparation in accordance with negotiated schedules are of paramount importance in the performance of this contract. Consequently, the contractor shall have the necessary technical and scientific knowledge and experience to work effectively from contract start-up and throughout the course of the contract. In addition, the contractor shall have a Quality Assurance (QA) / Quality Control (QC) program that maintains the quality of products. Performance of work under this WA will encompass tasks in statistical evaluation of data pertinent to the EPA risk assessment process including exposure and toxicology data.

VIII: SPECIFIC AREAS OF WORK

The Contractor shall provide all technical support within the scope of this Performance Work Statement (PWS). The Contractor shall perform tasks, as specified by individual task orders issued by the Contract Officer (CO), in the following program areas: Statistical Review and Analysis of Human Health Exposure and Toxicity Data

The task(s) which will be issued through task orders require expertise in statistics, biostatistics, and mathematical simulation and modeling. For many tasks, scientific needs are highly specialized, requiring expert personnel having the knowledge and ability to fully and critically evaluate study methodologies and results in the technical disciplines identified above. Analyses must be scientifically sound and sufficiently documented to withstand intensive critical examination and review by other experts in the relevant disciplines.

TASK 1: PROJECT MANAGEMENT

The Contractor shall provide a Project Manager. The Contractor Project Manager shall report on all aspects of the objectives and progress of this contract to the designated CO and CORs via email, through monthly reports. The Project Manager plans, conducts and supervises Task Order projects, necessitating advanced knowledge and the ability to originate and apply new and unique methods and procedures. The Project Manager provides technical advice and counsel to other professionals. The Contractor Project Manager shall notify via email the relevant COR/ACOR or Task Order COR of any significant difficulties in accomplishing the task listed in the Task Orders.

TASK 2: STATISTICAL ANALYSIS SUPPORT

The contractor shall provide statistical support for analyses of exposure and toxicology data pertinent for human health risk assessment of pesticides. For example, the contractor shall review and analyze statistical methods for assessing unit exposures for dermal and inhalation monitoring data for pesticide applicators as well as data associated with a variety of toxicology studies to potentially include toxico-kinetic and other modelling exercises.

Verification of the statistical analysis is an integral part of the data evaluation process. As such, contractors shall routinely analyze, report, interpret, and summarize statistical results including but not limited to: basic summary statistics, parametric and non-parametric hypothesis testing (e.g. Dunnett's test, Williams'/Shirley test, Jonckheere-Terpstra test, etc.), and linear and nonlinear regressions. Types of statistical analyses and reporting also include, but are not limited to, exposure task force (e.g., AHETF and AEATF) monitoring objective of a relative 3-fold accuracy (i.e., geometric mean, arithmetic mean, and 95th percentile be accurate within 3-fold with 95 percent confidence); reviewing sample size and study design; calculating normalized unit exposures using and comparing empirical estimates, simple random sample estimates, as well as a hierarchical variance component modeling estimates; testing the exposure results for proportionality between exposure and pounds of active ingredient handled including the threshold associated with amount handled; and evaluation of dose response data from toxicological research.

Evaluations shall state which methods of statistical comparison were used and why the methods were appropriate regardless of the type of data evaluated. They shall also include explanations about the relationship between the doses of the test substance and the presence or absence, incidence, and extent of any type of trend or effect. The contractor shall be able to provide both basic and advanced statistical support for all types of environmental data. Additional examples of statistical support include Bayesian and probabilistic, design of experiments, power analysis, mixed models, time series analysis, multivariate statistics, and categorical data analysis. As requested by the Contractor Officer's Representative (COR), the contractor shall provide feedback and recommendations to the Agency pertaining to the appropriate use and application of various statistical methodologies.

Determine exposure or potential exposure from pollution/contaminant sources (including background levels) by evaluating measured or modeled biological, chemical, or physical concentrations or gradients at the interface between an organism and an environmental medium of concern, as specified in individual task orders. Estimate internal doses and target organ doses of chemicals. Evaluation of PBPK modeling approaches using a computer language such as "R" may also be required.

The contractor shall also have experience using data analysis software such as SAS for pesticide residue modeling. The contractor shall be able to provide statistical support regarding dietary exposure models and protocol/study reviews.

TASK 3: QUICK RESPONSE AND AGENCY INTERFACE ACTIVITIES

The contractor shall provide quick turn-around support for special requests by EPA as defined in previous tasks. The contractor shall provide support for special requests by EPA. This may include activities involving EPA's interface with other Governmental agencies, and any other quick-response requests from EPA to the extent that such requests are feasible and relate to this Statement of Work.

IX. DELIVERABLES

- A. Task Reports:** All reports, documents, papers, and data end-points etc., prepared/compiled by the contractor shall be submitted electronically in draft form using agency standard software, science industry standard software, and/or OPP science data repository/workflow portal, or other storage media as specified in the task assignment. The contractor shall provide the reviews in electronic format (MS Word and/or PDF) delivered by email or other electronic portal or as CD or flash drive, and in hard copy if requested by the TOCOR, COR or CO.
- B. Other Services:** In performing the services required under this PWS, the contractor shall submit all relevant information used in developing conclusions or options to the COR for all projects for evaluation review and approval. All software and databases developed or enhancements or modifications of existing software or databases performed under this contract; all documentation, notes, preceding versions; all other material pertaining to the development, enhancement, modification and testing of the software and/or databases; and all information and data populating associated databases shall be the property of the agency; will be delivered to the agency upon request or at completion of the task; and cannot be used by the contractor for any other purpose than that specified in a task order without prior written permission by the CO.
- C. Monthly Technical and Financial Management Reports:** The contractor shall submit to the Contract level COR and CO a monthly Technical and Financial Management report in accordance with the requirements stated in the individual task orders.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE CAD CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC20F0357	
				10B. DATED (SEE ITEM 13) 07/16/2020	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: KATHRYN KORTHAUER

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/2020

Previous edition unusable

NAME OF OFFEROR OR CONTRACTOR
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/16/2020 to 07/05/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE	OF	PAGES
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020	4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)		
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE		
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors			<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER		
			<input type="checkbox"/>		9B. DATED (SEE ITEM 11)		
			<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders		
			<input type="checkbox"/>		10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 07/16/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE Office of Research and Development	
3. ORDER NO. 68HERC20F0358		4. REQUISITION/REFERENCE NO. PR-ORD-20-01193			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 26 West Martin Luther King Drive	
				c. CITY Cincinnati	e. ZIP CODE 45268
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.					
b. COMPANY NAME				8. TYPE OF ORDER	
c. STREET ADDRESS 9300 LEE HIGHWAY				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 07/15/2021	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: GENIECE LEHMANN Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$358,696.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$358,696.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 07/16/2020

ELECTRONIC
SIGNATURE

23. NAME (Typed)
William M. Yates
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 07/16/2020	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC20F0358
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 07/16/2020 to 07/15/2021</p> <p>Contract #68HERC19D0003 Task Order 0034 Support for the IRIS Toxicological Review of Polychlorinated Biphenyls (PCBs): Effects Other Than Cancer. Includes conference planning: USE CONF CODE MS2626T6.</p> <p>Accounting Info: 20-21-C-26D1000-000F84-2532-MS2626T6-2 6A5C-2026D1C016-001 BFY: 20 EFY: 21 Fund: C Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Job #: MS2626T6 Cost: 26A5C DCN - Line ID: 2026D1C016-001 Funding Flag: Complete Funded: \$121,533.00</p> <p>Accounting Info: 19-20-C-26D1000-000F84-2532-26A5C-2026D1C016-002 BFY: 19 EFY: 20 Fund: C Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 2026D1C016-002 Funding Flag: Complete Funded: \$179,420.00</p> <p>Accounting Info: 19-20-C3-26D1000-000F84-2532-26A5C-2026D1C016-003 BFY: 19 EFY: 20 Fund: C3 Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Job #: HQ00BG00 Cost: 26A5C DCN - Line ID: 2026D1C016-003 Funding Flag: Complete Funded: \$57,743.00</p>				358,696.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$358,696.00

PERFORMANCE WORK STATEMENT
CONTRACT NO. 68HERC19D0003
Task Order 68HERC20F0358
Internal Tracking number 0034

TITLE: Support for the IRIS Toxicological Review of Polychlorinated Biphenyls (PCBs): Effects Other Than Cancer

Specify Section & Paragraph SOW: A1. Assessment Issues and Documents. Human Health Assessment Documents

Period of PERFORMANCE: Award through 1 year

I. PURPOSE

The purpose of this Task Order (TO) is to provide services to the U.S. Environmental Protection Agency's (hereinafter EPA or Agency) Center for Public Health & Environmental Assessment (CPHEA) in support of the development of health assessments.

II. BACKGROUND

The Center for Public Health & Environmental Assessment (CPHEA), a major component of EPA's Office of Research and Development (ORD), with headquarters in Washington, DC, is EPA's national resource center for human health and ecological risk assessment. CPHEA occupies a critical position in ORD between researchers in other parts of ORD and outside of EPA who are generating new findings and data, and the regulators in EPA's program offices and regions who must make regulatory, enforcement, and remedial action decisions. CPHEA prepares technical reports and assessments that integrate and evaluate the most up-to-date research and serve as major elements of the science foundation supporting EPA policies. As a result, CPHEA plays an important role as a consultant to EPA programs and regions on the use of science in environmental decision making and also influences the direction of environmental research.

III. STATEMENT OF WORK

The purpose of this TO is to assist in the development of the *Toxicological Review of Polychlorinated Biphenyls (PCBs): Effects Other Than Cancer* and other related assessment materials and activities.

Task 1: Establish Communication and Manage Task Order Activities

Within 3 days of the TO award, the Contractor shall schedule a conference call (not to exceed 1 hour) with the TO Contracting Officer Representative (TOCOR) and other EPA staff and any appropriate contractor staff to clarify outstanding questions and confirm the schedule of specific tasks. The TOCOR will submit the work requests via a Technical Directive. This technical directive will be used as instructions to the Contractor and will be submitted with each request. The Contractor will provide a cost estimate of work submitted under each technical directive. Copies of all correspondence pertaining to the performance of this TO shall be sent to the CL-COR.

Under this task, the Contractors also will perform other necessary communication and management activities related to executing the task order.

Deliverable: Schedule and participate in the conference call.

Task 2: Quality Assurance Project Plan (QAPP)

The Contractor shall update the existing QAPP developed and approved for TO #68HERC19F0224, including provisions for modeling/analytical activities associated with the manuscript described in Task 5, and submit for approval by the TOCOR and Quality Assurance Manager. The Contractor shall not perform any work on subsequent tasks under this TO until the revised QAPP is reviewed and approved, unless otherwise directed by EPA.

The Contractor must ensure that all data collected, generated or used are of the appropriate type and quantity needed and of known, documented, and adequate quality. This statement of applicability conforms to the Agency's requirements. The Contractor must submit a QAPP that addresses data generation, collection, use, and analysis. The QAPP should include a description of quality control checks to verify accuracy, completeness, and adherence to established format. The Contractor must address in the QAPP how existing data will be considered for the TO. Existing (secondary) data is defined as the use of data that was developed for a different purpose and includes data in the published literature. The QAPP shall be in conformance with EPA's *Requirements for Quality Assurance Project Plans* (EPA QA/R-5). Guidance for developing QAPPs that meet EPA specifications prepared for activities conducted by or funded by EPA, are available online at http://www.epa.gov/quality/qa_docs.html, see "EPA Requirements for Quality Assurance Project Plans (QA/R-5)".

The contractor shall include, "EPA QA Tracking number L-CPAD-0031956-QP-1-1" on the title page of the QAPP.

Deliverable: Update QAPP for approval by EPA.

Task 3: Identification, Prioritization, and Synthesis of Information Related to PCB Absorption, Distribution, Metabolism, and Excretion (ADME), Kinetic Modeling, Mode of Action (MOA), and Susceptible Populations and Lifestages

Specific instructions will be provided by the TOCOR through technical directives. For purposes of cost estimation, assume the following: a total of 6 scoping reviews will be conducted to identify MOA references; title/abstract screening will be required for a total of 3,000 references across all three topic categories; full-text screening will be required for a total of 1,500 references across all three topic categories; inventories including a total of 750 MOA studies will be developed; and MOA information from a total of 600 studies will form the basis for development of 6 MOA synthesis sections. Also, summary text will be developed to describe PCB ADME data and kinetic models based on information from 100 studies.

(1) Identify literature

- Perform and update electronic search using specified bibliographic databases
- Databases used should be consistent with the current version of the draft IRIS Handbook and with the draft document.
- Search terms should be selected in close collaboration with the EPA assessment team.
- In consultation with EPA and as defined in technical directives, the Contractor may conduct keyword searches in an iterative process, up to three iterations, to optimize the keyword set.
- Use additional search strategies as identified in the draft IRIS Handbook, including (but not limited to) "forward" and "backward" searching based on articles identified as key studies.
- Identify and evaluate review articles in a scoping effort for searches of literature relevant to MOA.

(2) Screen references for relevance

- Screen, with separation (or binning) of references into categories consistent with the approach outlined in the current version of the draft IRIS Handbook and with the draft document.
- Develop or assign a list of tags (or bins) for sorting references in HERO. The list of tags should be generated in close collaboration with the EPA assessment team.
- Use freely available automated tools such as SWIFT Active Screener as directed
- Update HERO project page with chemical-specific tags.

(3) Develop (and update) literature inventories

- Based on the results of a literature search and screen, add selected studies to a database with defined data fields and keywords as specified by the EPA (e.g., fields could include study type, methods, health outcome). EPA will provide templates for new inventories and existing inventories for updates.
- Extraction of information for inventories may be conducted in multiple steps.

(4) Document the literature search strategy and results

- Document search strings, results (number of citations), and date of searches.
- Provide tabular summaries of the literature search strategy.
- Revise literature search flow diagrams showing results of the updated search based on computerized keyword search and screen, forward/backward search of relevant articles, title/abstract screen, and full text screen.

(5) Prioritize studies for inclusion in text syntheses

- Evaluate identified studies according to criteria provided by EPA.

(6) Develop synthesis text

- Describe the available data associated with exposure to PCBs, focusing on studies prioritized as described above and in technical directives.

Deliverable: Deliverable format and schedule will be defined in technical directives.

Task 4: Revision of PCB Mixture Similarity Tool

The PCB Mixture Similarity Tool was developed by ICF under EPA Contract #EP-C-14-001, WA-15. Under EPA Contract 68HE0C18R001 Task Order 0005, the Contractor will revise and refine the existing spreadsheet tool and associated user guidance/technical documentation, as necessary. Specific instructions will be provided by the TOCOR through technical directives. It is expected that there will be approximately 2-3 separate requests for this task.

Deliverable: Revised spreadsheet tool; schedule will be defined in technical directives.

Task 5: Manuscript Preparation

The Contractor shall support the production of at least 1 peer-reviewed manuscript related to PCB hazard identification and dose-response assessment. EPA will develop a preliminary outline describing the topic and expected contents of the manuscript, including a description of any required analyses. The outline will be provided to the Contractor by the TOCOR as part of a technical directive describing the specific form of support requested, which may include the following:

- Compilation of literature – articles pertinent to the topic of interest will be identified and retrieved, and key information within the articles will be summarized as appropriate.
- Development of analysis plans.
- Development of annotated outlines.
- Crafting of manuscript sections, figures, and tables.
- Facilitation of communication and collaboration among Contractor, EPA, and external co-authors (e.g., e-mail and conference calls).
- Editorial and word-processing support for revising and completing a draft manuscript for publication in a scientific or technical journal.
- Submission of a manuscript to the journal jointly agreed upon by co-authors, ensuring that it meets the formatting and stylistic requirements of that journal.

It is expected that there will be a request for support for a manuscript related to the evaluation of PCB analytical data in epidemiology studies. In many epidemiological studies, inference regarding health effects of PCB exposure is difficult due to limitations in exposure assessment. The measurement of all 209 possible PCB congeners presents analytical challenges and costs, and studies typically report on only a handful of the most easily measured, longest-lived congeners (such as PCBs 118, 138, 153 and 180). However, health effects may be due to other congeners in the mixture to which the study population is exposed, including congeners that are shorter-lived and more difficult to measure. A few epidemiological studies have measured larger numbers of congeners and may provide insight into the ability of subsets to accurately reflect the effects of the whole mixture. Statistical analyses that can aid inference and synthesis across studies, may include comparison of the predictive ability and model fit from analyses including all measured congeners compared with analyses including only subsets; and evaluation of statistical techniques to evaluate mixtures. The planned manuscript will describe work to evaluate subsets of PCB congeners found in mixtures to identify minimal sets needed for epidemiological inference regarding health effects of PCB exposure. Statistical analysis of human PCB exposure data will be required. Examples of relevant analyses may include: characterization of exposure to measured PCBs in a study population, including descriptive analysis overall and by subgroup, characterization of the congeners which dominate the mixture overall and among subgroups and determining the variability in relative contribution of each congener to the total; use of appropriate statistical models for specified health outcomes of interest, comparing the proportion of variation explained and estimated effect measures (magnitude and variance) for models that contain (1) all congeners measured in the dataset, vs. (2) only the 3 or 4 most commonly measured congeners, and (3) only PCB153; or clustering or regularization analysis to group congeners and identify those which are most informative for purposes of evaluating PCB exposure-health outcome associations, including possibilities such as partial least squares regression, principal component analysis and regression, ridge regression, elastic net regression, LASSO regression, or Bayesian kernel machine regression.

Deliverable: Deliverable format and schedule will be defined in technical directives.

Task 6: Public Science Meeting Administrative and Logistical Support

The Contractor will provide administrative and logistical support for one public science meeting to be held between April 1 and June 30, 2021. This support includes formulating the meeting agenda, meeting registration, preparation and distribution of meeting materials, meeting facilitation, onsite registration and other general logistical support before, during and after the meeting. The meeting will be held in EPA conference space at 109 T.W. Alexander Drive, Research Triangle Park, NC 27711. The meeting shall include access by webinar and teleconference lines. Stakeholders and members of the public will be invited to attend and may have an opportunity to ask questions or participate in an open dialogue on the scientific issues. The Contractor shall provide assistance (including onsite assistance) to EPA prior to, during, and after the workshops.

If, 30 days prior to the scheduled meeting date, public health guidance from the U.S. Centers for Disease Control and Prevention, the state of North Carolina, or Durham county recommends against mass gatherings in Durham, NC due to concerns related to COVID-19, the meeting will be held as scheduled via webinar and teleconference only. The Contractor shall include plans for this contingency and support all activities associated with transitioning the meeting format from partially in-person to entirely web-based.

Deliverable: Deliverable format and schedule will be defined in technical directives.

IV. ANTICIPATED DELIVERABLES

All products by the Contractor must be of high quality, written in a clear concise style, with a logical organization and presentation. Deliverables shall be provided to EPA in electronic formats compatible with EPA-supported software (e.g., Excel spreadsheets, MS Word documents, PDFs, HERO).

V. MANAGEMENT CONTROLS

1. All deliverables shall be reviewed for conformance to the requirements of this TO before being approved as final.
2. The Contractor shall comply with other applicable requirements for final TO reports stipulated in contract.

VI. NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS PROJECT

Guidance is strictly limited to technical and analytical support. The Contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations

Should the Contractor receive any instruction from an EPA staff person that the Contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or TO, the Contractor shall immediately contact the CL-COR, TOCOR, or CO.

The Contractor shall also ensure that work under this TO does not contain any apparent or real personal or organizational conflict of interest. The Contractor shall certify that none exist at the time the proposal is submitted to EPA.

VII. SPECIAL CONDITIONS AND ASSUMPTIONS

The Contractor shall hold a conference call with the TOCOR at the initiation of the TO. Standard reporting requirements of the contract apply for active/completed projects.

VIII. OTHER REQUIREMENTS

The TOCOR will have oversight on all materials developed by the Contractor. The primary communication mechanism between the TOCOR and the Contractor shall be email.

In cases where the work to be performed is of a highly scientific or technical nature or requires consultation or interactions, it may be more expedient for the Contractor to interact directly with members of the scientific/technical staff.

IX. EPA CONTACT INFORMATION

Copies of all correspondence pertaining to the performance of this TO shall be sent to the CL-COR.

TOCOR:

Geniece M. Lehmann, Ph.D.
U.S. EPA/ORD/CPHEA
MD B243-01
Research Triangle Park, NC 27711
Lehmann.Geniece@epa.gov
(919) 541-2289

Alternate TOCOR:

Laura Carlson, Ph.D.
U.S. EPA/ORD/CPHEA
MD B243-01
Research Triangle Park, NC 27711
Carlson.Laura@epa.gov
(919) 541-0725

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CODE	
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(X)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC20F0358	
				10B. DATED (SEE ITEM 13) 07/16/2020	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: GENIECE LEHMANN

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC20F0358/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/16/2020 to 07/15/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE	OF	PAGES
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020	4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)		
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE		
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors			<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER		
			<input type="checkbox"/>		9B. DATED (SEE ITEM 11)		
			<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders		
			<input type="checkbox"/>		10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 07/28/2020		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE Office of Research and Development	
3. ORDER NO. 68HERC20F0367		4. REQUISITION/REFERENCE NO. PR-ORD-20-01202			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 1200 Pennsylvania Avenue, NW MC: 8101R	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.					
b. COMPANY NAME				8. TYPE OF ORDER	
c. STREET ADDRESS 9300 LEE HIGHWAY				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD/OSIM-CIN	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) <input type="checkbox"/> h. EDWOSB VETERAN-OWNED ELIGIBLE UNDER THE WOSB PROGRAM				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 07/27/2021	
				16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: VICKI SOTO Max Expire Date: 07/27/2021 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$47,658.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$47,658.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 07/28/2020

23. NAME (Typed)
William M. Yates
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 07/28/2020	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC20F0367
-----------------------------	-------------------------------	----------------------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Accounting Info: 20-21-C-26D1000-000F84-2532-26A5C-2026D1C014 -001 BFY: 20 EFY: 21 Fund: C Budget Org: 26D1000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 2026D1C014-001 Period of Performance: 07/28/2020 to 07/27/2021 Contract 68HEC19D0003 (Internal TO# 0036) Scientific and Technical Product Development for CPHEA Replacement Task Order (2020)				47,658.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$47,658.00

PERFORMANCE WORK STATEMENT
CONTRACT NO. 68HERC19D0003
Task Order 68HERC20F0367
Internal Tracking No. TO #36

TITLE: Scientific and Technical Product Development for CPHEA

Specify Section & Paragraph SOW: A1. Assessment Issues and Documents. Human Health Assessment Documents

PERIOD of PERFORMANCE: Award thru 1 year

I. PURPOSE

The purpose of this task order is to provide services to the U.S. Environmental Protection Agency's (hereinafter EPA or Agency) Center for Public Health and Environmental Assessment (CPHEA) for document production activities which include technical editing, word processing, and graphics support.

II. BACKGROUND

The Center for Public Health and Environmental Assessment (CPHEA), a major component of EPA's Office of Research and Development (ORD), with headquarters in Washington, DC, is EPA's national resource center for human health and ecological risk assessment. CPHEA occupies a critical position in ORD between researchers in other parts of ORD and outside of EPA who are generating new findings and data, and the regulators in EPA's program offices and regions who must make regulatory, enforcement, and remedial action decisions. CPHEA prepares technical reports and assessments that integrate and evaluate the most up-to-date research and serve as major elements of the science foundation supporting EPA policies. As a result, CPHEA plays an important role as a consultant to EPA programs and regions on the use of science in environmental decision making and also influences the direction of environmental research.

III. STATEMENT OF WORK

The purpose of this task order is to provide technical editing and/or revisions of approximately six (6) documents. For the purpose of developing the cost for the plan, the contractor can assume that each document is approximately 150 pages.

Task 1: Establish Communication

Within 3 days of the task order award, the Contractor shall schedule a conference call (not to exceed 1 hour) with the Task Order Contracting Officer Representative (TOCOR) and appropriate contractor staff to clarify outstanding questions and confirm the schedule and specific tasks. The TOCOR will submit the documents to be edited via a Technical Directive. This technical directive will be used as instructions to the contractor and will be submitted with each document. The Contractor will provide cost estimate of work submitted under each technical directive. Copies of all correspondence pertaining to the performance of this task order shall be sent to the CL-COR.

Deliverable - Schedule and participate in the conference call.

Task 2: Technical/Nontechnical Writing and Technical Editing

The contractor shall ensure the quality of CPHEA products by providing technical writing and editorial services for CPHEA special reports, technical documents, and other written materials. The contractor shall use the Editing Guidelines/Procedures specified by the TOCOR (*Handbook for Preparing NCEA Documents*, IRIS template, or other specific guidelines, e.g., journal manuscripts would have their own format).

The Contractor shall provide an editor (scientist) with an excellent command of the English language, grammar, and spelling. The editor shall be experienced in scientific and technical writing.

The Contractor shall perform various tasks in support of EPA research and development efforts including the following:

- Write or rewrite scientific/technical material for scientific and technical audiences. The original document or manuscript provided generally will have been written by specialists in the subject. The Contractor must be familiar with scientific and technical terminology (e.g., risk assessment, ecology, solid and hazardous waste, incineration and combustion, etc.) and shall revise the document to the point that it can be easily read and comprehended by the technical community.
- Write or rewrite scientific/technical material in terminology familiar to educated laymen. Rewriting shall include assessing previously written material for unity, coherence, and appropriateness of language and style for the intended audience.
- The Contractor shall edit documents electronically using the track edit feature or perform a hard copy edit (legible, handwritten corrections in red ink on the hard copy of the document) when requested.
- The Contractor shall closely read the manuscript to ensure correct grammar, spelling, and punctuation; consistency of capitalization, spelling, and hyphenation; agreement of verbs and subjects; check materials, especially tables, figures, units of measure, headings, etc. for consistency of style and format; check placement of tables and figures; and many other details of style.
- The Contractor shall rewrite or reorganize sentences, paragraphs, sections, etc.; verify the accuracy of technical terminology, assess illustrations to determine clarity of presentation, need for redrawing, retouching, etc.; cross-check information in the text to tables, figures, appendices, and references and correct apparent disagreements; correct inconsistencies in format and style; assure consistency and accuracy of chemical formulae, mathematical expressions, tables, figures, equations, chemical and biological names; provide a list of queries regarding any questions or concerns with reference to their location in the document; rewrite as needed to ensure clarity throughout the document and that tone and complexity of the document are appropriate for the intended audience.
- The Contractor shall check references to ensure that all references cited in the text and only those references have been included in the reference section of the document and verify the accuracy, completeness, and adherence to established format. The Contractor will add links for references that are in the HERO library.
- The Contractor must be conscientious, attentive to detail, and able to work under considerable pressure (e.g., ability to manage multiple projects that have very short deadlines).

Deliverable: The contractor shall provide electronic format of above mentioned documents (MS Word is the preferred software).

Task 3. Word Processing/Graphics

The material provided to the Contractor shall be provided in a variety of formats including, but not limited to, handwritten form or typed rough draft. Documents may contain chemical formulae, mathematical expressions, tables, figures, equations, chemical and biological names, and other terminology specific to scientific/technical documents. The Contractor shall operate IBM-compatible PCs and associated peripheral devices (printers, scanners) and provide support for software applications such as Microsoft Office Suite or other applications introduced as EPA standard (and should be aware of the software version to minimize technical errors).

- The Contractor shall become familiar with CPHEA and IRIS formatting standards and make any necessary revisions and/or formatting corrections to documents. The contractor shall use features of MS Word as needed (e.g., indexing, generated Table of Contents, text art, etc.).
- The Contractor shall plan layout and typing of complicated scientific tables and equations to maintain uniformity and balance in spacing (equations will be typed using the current version of MS Word's Equation Editor). The Contractor must be conscientious and attentive to detail.
- The Contractor shall prepare CPHEA products for loading onto EPA websites including, but not limited to, the use of Adobe Acrobat to convert products (documents, posters, and presentations) to 508-compliant pdf format. The Contractor shall prepare press quality pdf files (with embedded fonts and CMYK colors) for printing when needed and verify that settings are correct and that all files have been included.
- The Contractor must have excellent proofreading skills. All word-processed material shall be proofread. The contractor shall compare corrections made by the word processor with those requested by the author for accuracy and return the document for further correction as needed.
- Using standard graphics software (e.g., Illustrator, InDesign), the contractor shall create or revise figures as needed.

IV. ANTICIPATED DELIVERABLES

All products by the Contractor must be of high quality, written in a clear concise style, with a logical organization and presentation. Deliverables shall be provided to EPA in electronic formats compatible with EPA-supported software (e.g., Excel spreadsheets, MS Word documents, PDFs, InDesign).

VI. MANAGEMENT CONTROLS

1. All deliverables shall be reviewed for conformance to the requirements of this task order before being approved as final.
2. The Contractor shall comply with other applicable requirements for final task order reports stipulated in contract.

VII. NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS PROJECT

Guidance is strictly limited to technical and analytical support. The Contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations

Should the Contractor receive any instruction from an EPA staff person that the Contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or task order, the contractor shall immediately contact the CL-COR, TOCOR, or CO.

The Contractor shall also ensure that work under this task order does not contain any apparent or real personal or organizational conflict of interest. The Contractor shall certify that none exist at the time the proposal is submitted to EPA.

VIII. SPECIAL CONDITIONS AND ASSUMPTIONS

The Contractor shall hold a conference call with the TOCOR at the initiation of the task order. Standard reporting requirements of the contract apply for active/completed projects.

IX. OTHER REQUIREMENTS

The TOCOR will have oversight on all materials developed by the contractor. The primary communication mechanism between the TOCOR and the contractor shall be email.

In cases where the work to be performed is of a highly scientific or technical nature or requires consultation or interactions, it may be more expedient for the contractor to interact directly with members of the scientific/technical staff.

X. EPA CONTACT INFORMATION

Copies of all correspondence pertaining to the performance of this TO shall be sent to the CL-COR.

TOCOR:

Vicki Soto
1200 Pennsylvania Avenue, NW
Washington, DC 20460
Telephone: 202-564-3077
Soto.vicki@epa.gov

Alternate TOCOR:

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CODE	
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11)	
CODE 072648579		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC20F0367 10B. DATED (SEE ITEM 13) 07/28/2020	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
DUNS Number: 072648579
TOCOR: VICKI SOTO Max Expire Date: 07/27/2021
The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC20F0367/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/28/2020 to 07/27/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)